

**DC - 3 WIRE-STANDARD**  
**Brass, Nickel Plated (BN), Cylindrical,**  
**Threaded, 10-30V DC, 250mA,**  
**LED for Output Energized**

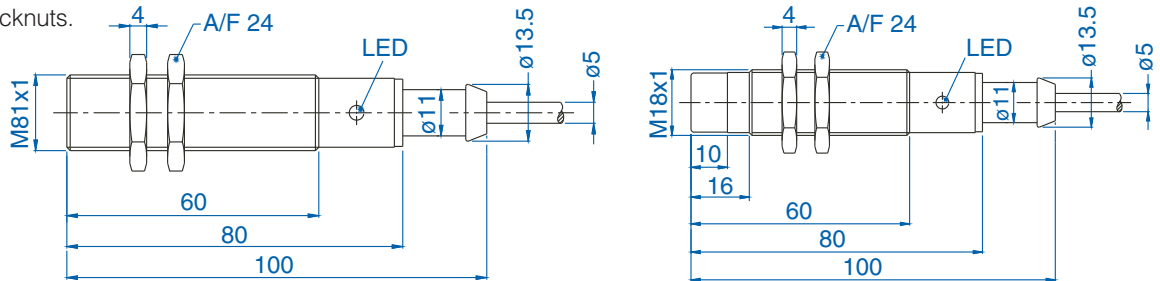
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Transient Voltage Protection
- Temperature Range: -25 to 70°C (-13 to 158°F)



| Sensing Distance                  | M18 Flush Mount  |                   | Non-Flush 18 Flush Mount |                   |
|-----------------------------------|------------------|-------------------|--------------------------|-------------------|
|                                   | 5mm (.20 in.)    |                   | 8mm (.31 in.)            |                   |
| Cable or Connector Style Cat. No. | Cable            | 65                | Cable                    | 65                |
| Normally Open                     | AIS18F05AP024-2M | AIS18F05AP024-Q65 | AIS18N08AP024-2M         | AIS12N02AP024-Q65 |
| Complementary NO/NC*              | AIS18F05UP024-2M | AIS18F05UP024-Q65 | AIS18N08UP024-2M         | AIS12N02UP024-Q65 |
| Normally Open                     | AIS18F05AN024-2M | AIS18F05AN024-Q65 | AIS18N08AN024-2M         | AIS18N08AN024-Q65 |
| Complementary NO/NC*              | AIS18F05UN024-2M | AIS18F05UN024-Q65 | AIS18N08UN024-2M         | AIS18N08UN024-Q65 |
| Ripple Voltage                    | ≤ 10%            |                   | ≤ 10%                    |                   |
| Voltage Range                     | 10-30V           |                   | 10-30V                   |                   |
| No-Load Current                   | ≤15 mA           |                   | ≤15 mA                   |                   |
| Max. Load Current                 | 250 mA           |                   | 250 mA                   |                   |
| Voltage Drop Across Sensor        | ≤2.5V            |                   | ≤ 2.5V                   |                   |
| Max. Leakage Current              | ≤ 1 μA           |                   | 1μA                      |                   |
| Switching Frequency               | 500 Hz           |                   | 500 Hz                   |                   |
| Hysteresis                        | 0.5mm            |                   | ≤0.8mm                   |                   |
| Temperature Drift                 | ≤±10μm/K         |                   | ≤±16μm/K                 |                   |
| Repeatability                     | ≤0.2mm           |                   | ≤0.4mm                   |                   |

**Fixed Cable**

PVC 2m (6ft. 6in.). For other cable lengths and/or PUR cable, please consult Altech. Supplied with brass, nickel plated locknuts.



**65 Style Connector**

4-pin, Micro style, 12mm (.47 in.). Supplied with brass, nickel plated locknuts.

